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(54) **Information recording medium and method for producing the same, and method for recording/reproducing information thereon**

(57) An information recording medium includes a first information layer 11 and a second information layer 20. The first information layer 11 includes a first recording layer 4 in which a reversible phase change is caused between a crystalline phase and an amorphous phase by irradiation of a laser beam or application of current. The second information layer 20 includes a second recording layer 14 in which a reversible phase change is caused between a crystalline phase and an amorphous phase by the irradiation of the laser beam or the application of the current. The first recording layer 4 is made of a first material, the second recording layer 14 is made of a second material, and the first material is different from the second material.

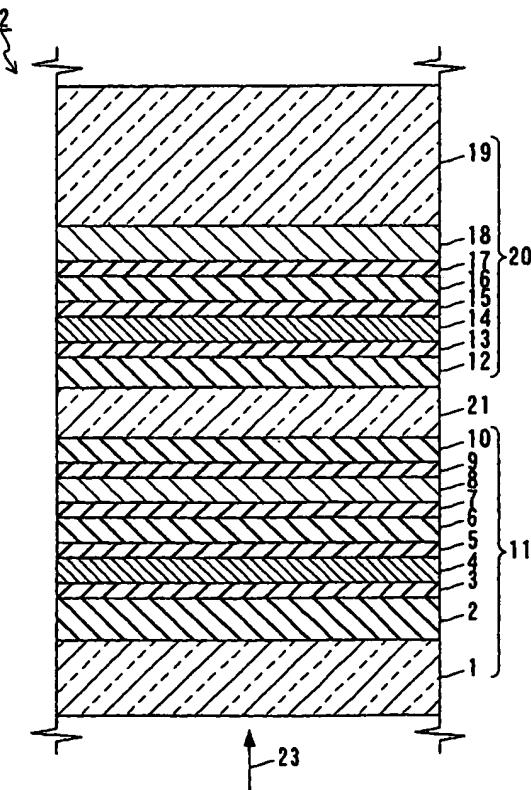


Fig. 1



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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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X	EP 0 810 590 A (IBM) 3 December 1997 (1997-12-03) * claims 1,2,10,11; figure 5 * * page 6, lines 2-14 * * page 7, lines 3-18 * * page 8, lines 45-51 *	1,2, 7-10,12, 14,19, 20,23	
E	EP 1 208 565 B (KONINKL PHILIPS ELECTRONICS NV) 12 November 2003 (2003-11-12) * paragraphs [0034] - [0043]; claim 1; figure 1 *	1-3, 7-11,23, 29	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G11B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		11 October 2004	Stabel, A
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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